

Title (en)
OPTICAL CROSSBAR EXCHANGE ARRANGEMENT

Publication
EP 0541300 A3 19930908 (EN)

Application
EP 92309949 A 19921030

Priority
US 78798991 A 19911105

Abstract (en)
[origin: EP0541300A2] An optical crossbar exchange arrangement is implemented using a modified Sagnac switch (110). During the absence of a control signal (CONTROL SIGNAL 1), two separately numbered inputs (IN1, IN2) are coupled to the same numbered outputs (OUT1, OUT2) of the Sagnac switch, (i.e. IN1 to OUT1, etc). During the presence of the control signal each of the two numbered inputs are switched and are coupled to a different numbered output (e.g., IN1 to OUT2, IN2 to OUT1). <IMAGE>

IPC 1-7
H04Q 11/00; **G02F 1/35**

IPC 8 full level
G02F 1/35 (2006.01); **H04Q 3/52** (2006.01)

CPC (source: EP US)
G02F 1/3519 (2013.01 - EP US)

Citation (search report)
• [A] ELECTRONICS LETTERS. vol. 26, no. 14, July 1990, ENAGE GB pages 962 - 964 K.J.BLOW 'DEMONSTRATION OF THE NONLINEAR FIBRE LOOP MIRROR ...'
• [A] IEEE PHOTONICS TECHNOLOGY LETTERS vol. 3, no. 3, March 1991, NEW YORK US pages 235 - 237 H.AVRAMOPOLOUS & AL 'COMPLETE SWITCHING IN A THREE-TERMINAL SAGNAC SWITCH'
• [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 477 (P-1118) & JP-A-02 193 126 (NTT) 30 July 1990

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US6091524A; EP0637182A3; US6215570B1; WO2009106145A1; WO9638017A1; EP2247980B1

Designated contracting state (EPC)
DE FR GB

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DOCDB simple family (application)
EP 92309949 A 19921030; JP 31927492 A 19921105; US 6551693 A 19930520